

## Assoc. Prof. ERKAN GÜLER

### Personal Information

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### International Researcher IDs

ScholarID: hDqVzaMAAAAJ

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Publons / Web Of Science ResearcherID: P-2560-2019

ScopusID: 23102924300

Yoksis Researcher ID: 137786

### Education Information

Doctorate, Dokuz Eylul University, Fen Bilimleri Enstitüsü, Cevher Hazırlama (Dr), Turkey 2001 - 2008

Postgraduate, Dokuz Eylul University, Fen Bilimleri Enstitüsü, Cevher Hazırlama (YI) (Tezli), Turkey 1997 - 2001

Undergraduate, Dokuz Eylul University, Mühendislik Fakültesi, Maden Mühendisliği Bölümü, Turkey 1993 - 1997

### Dissertations

Doctorate, Çinko tesisi içi artıklarından metal kazanım yöntemlerinin araştırılması, Dokuz Eylul University, Fen Bilimleri Enstitüsü, Cevher Hazırlama (Dr), 2008

Postgraduate, Asidik maden drenajı oluşumu mekanizmasının incelenmesi, Dokuz Eylul University, Fen Bilimleri Enstitüsü, Cevher Hazırlama (YI) (Tezli), 2001

### Research Areas

Ore-Dressing, Communiton-Sizing-Classification, Benefication by Gravity, Dense-Medium, Magnetic and Electrostatic, Flotation and Flocculation, Chemical-Biological Winning Techniques and Mineral Processing, Engineering and Technology

### Academic Titles / Tasks

Associate Professor, Dokuz Eylul University, Mühendislik Fakültesi, Maden Mühendisliği Bölümü, 2018 - Continues

Research Assistant, Dokuz Eylul University, Mühendislik Fakültesi, Maden Mühendisliği Bölümü, 1997 - 2018

### Academic and Administrative Experience

Faculty Management Board Member, Dokuz Eylul University, Mühendislik Fakültesi, 2024 - Continues

Applied Research Center Board Member, Dokuz Eylul University, Rektörlük, Bilim Ve Teknoloji Uygulama Ve Araştırma Merkezi, 2024 - Continues

Bölüm Tanıtım ve Mezunlarla İlişkiler Komisyonu Üyesi, Dokuz Eylul University, Mühendislik Fakültesi, Maden

Mühendisliği Bölümü, 2017 - Continues

Bölüm Akademik Teşvik Değerlendirme Komisyonu Üyesi, Dokuz Eylül University, Mühendislik Fakültesi, Maden Mühendisliği Bölümü, 2022 - 2022

## Courses

BİTİRME PROJESİ, Undergraduate, 2023 - 2024, 2022 - 2023, 2021 - 2022, 2019 - 2020, 2018 - 2019  
İŞ SAĞLIĞI VE GÜVENLİĞİ-II, Undergraduate, 2022 - 2023, 2019 - 2020, 2018 - 2019  
İŞ SAĞLIĞI VE GÜVENLİĞİ-II, Undergraduate, 2022 - 2023, 2021 - 2022, 2019 - 2020, 2018 - 2019  
CEVHER HAZIRLAMA-III UYGULAMA, Undergraduate, 2022 - 2023, 2021 - 2022, 2019 - 2020, 2018 - 2019  
İŞ SAĞLIĞI VE GÜVENLİĞİ-I, Undergraduate, 2023 - 2024, 2022 - 2023  
SEMİNER, Undergraduate, 2023 - 2024, 2022 - 2023, 2021 - 2022, 2019 - 2020, 2018 - 2019  
İŞ SAĞLIĞI VE GÜVENLİĞİ-II, Undergraduate, 2022 - 2023, 2021 - 2022, 2020 - 2021  
İŞ SAĞLIĞI VE GÜVENLİĞİ-II, Undergraduate, 2022 - 2023, 2019 - 2020, 2018 - 2019  
CEVHER HAZIRLAMA PDÖ, Undergraduate, 2023 - 2024, 2022 - 2023, 2019 - 2020, 2018 - 2019  
İŞ SAĞLIĞI VE GÜVENLİĞİ-I, Undergraduate, 2023 - 2024, 2022 - 2023, 2021 - 2022, 2019 - 2020, 2018 - 2019  
İŞ SAĞLIĞI VE GÜVENLİĞİ-I, Undergraduate, 2022 - 2023, 2019 - 2020, 2018 - 2019  
M.Sc. RESEARCH, Postgraduate, 2022 - 2023, 2021 - 2022, 2019 - 2020  
STRATEJİK MİNERALLER VE ÜRETİM TEKNOLOJİLERİ, Postgraduate, 2021 - 2022  
M.Sc. THESIS, Postgraduate, 2022 - 2023, 2021 - 2022, 2019 - 2020  
İŞ SAĞLIĞI VE GÜVENLİĞİ-I, Undergraduate, 2022 - 2023, 2019 - 2020, 2018 - 2019  
M.Sc. RESEARCH, Postgraduate, 2020 - 2021  
İŞ SAĞLIĞI VE GÜVENLİĞİ-II, Undergraduate, 2020 - 2021  
BİTİRME PROJESİ, Undergraduate, 2020 - 2021  
M.Sc. THESIS, Postgraduate, 2020 - 2021  
İŞ SAĞLIĞI VE GÜVENLİĞİ-I, Undergraduate, 2021 - 2022  
CEVHER HAZIRLAMA PDÖ, Undergraduate, 2021 - 2022, 2020 - 2021  
SEMİNER, Undergraduate, 2020 - 2021  
İŞ SAĞLIĞI VE GÜVENLİĞİ-I, Undergraduate, 2020 - 2021  
MÜHENDİSLİK ETİĞİ, Undergraduate, 2019 - 2020, 2018 - 2019  
CEVHER HAZIRLAMA-II UYGULAMA, Undergraduate, 2019 - 2020, 2018 - 2019  
BİTİRME PROJESİ, Undergraduate, 2018 - 2019  
BİTİRME PROJESİ, Undergraduate, 2018 - 2019  
BİTİRME PROJESİ, Undergraduate, 2018 - 2019

## Jury Memberships

Post Graduate, Post Graduate, Ege Üniversitesi, September, 2021  
Post Graduate, Post Graduate, Muğla Sıtkı Koçman Üniversitesi, June, 2019  
Post Graduate, Post Graduate, Dokuz Eylül Üniversitesi, July, 2018

## Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Environmental assessment of natural radionuclides and trace elements around Seyitomer coal fired power plant**  
Yoho B., Güler E., Canbaz Öztürk B., Yoho M. D.  
JOURNAL OF RADIOANALYTICAL AND NUCLEAR CHEMISTRY, vol.332, no.11, pp.4819-4831, 2023 (SCI-Expanded)
- II. **Gamma and neutron attenuation properties of alkali-activated cement mortars**

CANBAZ ÖZTÜRK B., Kiziltepe C. C., YOHO B., GÜLER E., AYDIN S.  
RADIATION PHYSICS AND CHEMISTRY, vol.166, 2020 (SCI-Expanded)

- III. **Enrichment of naturally occurring radionuclides and trace elements in Yatagan and Yenikoy coal-fired thermal power plants, Turkey**  
YOHO B., GÜLER E., Vaasma T., Horvath M., Kiisk M., Kovacs T.  
JOURNAL OF ENVIRONMENTAL RADIOACTIVITY, vol.188, pp.100-107, 2018 (SCI-Expanded)
- IV. **Precipitation of impurity ions from zinc leach solutions with high iron contents - A special emphasis on cobalt precipitation**  
GÜLER E., SEYRANKAYA A.  
HYDROMETALLURGY, vol.164, pp.118-124, 2016 (SCI-Expanded)
- V. **PRESSURE ACID LEACHING OF SPHALERITE CONCENTRATE. MODELING AND OPTIMIZATION BY RESPONSE SURFACE METHODOLOGY**  
GÜLER E.  
PHYSICOCHEMICAL PROBLEMS OF MINERAL PROCESSING, vol.52, no.1, pp.479-496, 2016 (SCI-Expanded)
- VI. **Bulk Flotation of Low Grade Refractory Sulfide Lead-Zinc Ore**  
GÜLER E.  
ASIAN JOURNAL OF CHEMISTRY, vol.24, no.2, pp.499-504, 2012 (SCI-Expanded)
- VII. **Hydrometallurgical Evaluation of Zinc Leach Plant Residue**  
GÜLER E., SEYRANKAYA A., Cocen I.  
ASIAN JOURNAL OF CHEMISTRY, vol.23, no.7, pp.2879-2888, 2011 (SCI-Expanded)
- VIII. **Neutralization of an extremely acidic sludge and stabilization of heavy metals in flyash aggregates**  
Polat M., GÜLER E., Lederman E., Cohen H.  
WASTE MANAGEMENT, vol.27, no.4, pp.482-489, 2007 (SCI-Expanded)
- IX. **Neutralization of acid mine drainage by Turkish lignitic fly ashes; role of organic additives in the fixation of toxic elements**  
Polat M., GÜLER E., Akar G., Mordogan H., Ipekoglu U., Cohen H.  
JOURNAL OF CHEMICAL TECHNOLOGY AND BIOTECHNOLOGY, vol.77, no.3, pp.372-376, 2002 (SCI-Expanded)

## Articles Published in Other Journals

- I. **The effect of sediment composition and polyethylene glycol precipitation on the detection limit of H6N2 influenza virus in sediment samples**  
Azbazdar M. E., Akıncı G., Güler E., Koçer Z. A.  
Marine and Life Sciences, vol.4, no.1, pp.53-62, 2022 (Peer-Reviewed Journal)
- II. **Influencing Factors in the Removal of High Concentrations of Boron by Electrocoagulation**  
Güven E. D., Güler E., Akıncı G., Bolukbas A.  
JOURNAL OF HAZARDOUS TOXIC AND RADIOACTIVE WASTE, vol.22, no.2, 2018 (ESCI)
- III. **Determination of Separation Parameters for Calcite and Apatite by Magnetic Coating**  
TUFAN E., GÜLER E., TUFAN M. B., CÖCEN E. İ.  
The Journal of Ore Dressing, vol.17, no.34, pp.1-4, 2015 (Peer-Reviewed Journal)
- IV. **Kalkopiritin Asitli Çözeltilerdeki Elektrokimyasal Davranışı**  
Gök Ö., Güler E., Seyrankaya A.  
MT Bilimsel, no.2, pp.35-47, 2012 (Peer-Reviewed Journal)
- V. **Effect of sulfation roasting on metal extraction from Çinkur zinc leach residue**  
GÜLER E., SEYRANKAYA A., CÖCEN E. İ.  
The Journal of Ore Dressing, vol.10, no.19, pp.1-10, 2008 (Peer-Reviewed Journal)
- VI. **Chemical Scrubbing of Acidic Organic Effluents Using Coal Fly Ashes**  
HAIM C., POLAT M., LEDERMAN E., GÜLER E., AKAR G.  
Journal of Ore Dressing, 2001 (Peer-Reviewed Journal)

## Refereed Congress / Symposium Publications in Proceedings

- I. **Environmental Assessment of Natural Radionuclides and Trace Elements Around Seyitömer Coal Fired Power Plant**  
Yoho B., Güler E., Canbaz Öztürk B., Yoho M.  
International Nuclear Sciences and Technologies Conference, Aydın, Turkey, 19 - 22 October 2022
- II. **Kırka Bor Sahası ve Çevresinde Yeraltı Suyu İzlemesi İçin Açılan Sondaj Aşamaları**  
Şimşek C., Aksoy C. O., Küçük K., Güler E.  
74. JMO Kurultayı, Ankara, Turkey, 11 - 15 April 2022, vol.01, no.1, pp.1
- III. **TENORM Enrichment Along the Emission Control System in Three Coal Power Plants in Turkey**  
Yoho B., Güler E., Canbaz Öztürk B., Yoho M., Vaasma T., Kusk M.  
V. International Conference on Natural Resources and Sustainable Environmental Management, Lefkoşa, Cyprus (Kktc), 8 - 12 November 2021
- IV. **Suitability of Fly Ashes Along the Emission Control System in Coal Power Plants for Recycling**  
Yoho B., Güler E., Canbaz Öztürk B., Yoho M.  
V. International Ege Composite Materials Symposium 2021, Antalya, Turkey, 4 - 06 November 2021, pp.420
- V. **Determination of alkaline leach parameters of low grade oxidized zinc ore slime**  
TUFAN E., UYGUN C., GÜLER E., CÖCEN E. İ.  
International Mineral Processing Congress, 31 October - 02 November 2019
- VI. **Radiation Shielding Properties of Alkali Activated Cement Mortars for Nuclear Applications**  
CANBAZ ÖZTÜRK B., KIZILTEPE C. Ç., ÖZDEN B., GÜLER E., AYDIN S.  
8th International Symposium on IN Situ Nuclear METrology as a tool for radioecology, Kuşadası, Turkey, 23 - 26 April 2019, pp.55
- VII. **The Enrichment of NORM in Yatagan and Yenikoy Coal-Fired Thermal Power Plants, Turkey**  
ÖZDEN B., GÜLER E., VAASMA T., HORVATH M., KİISK M., KOVACS T.  
International Symposium on In-situ Nuclear Metrology as a tool for Radioecology – INSINUME2017, 24 - 28 April 2017
- VIII. **Maden sahalarında atık ve ürün depolama alanlarından oluşan suların kirletici potansiyelinin araştırılması**  
GÜVEN E. D., AKINCI G., GÜLER E., BÖLÜKBAŞ A.  
Atık Yönetimi Sempozyumu 2017, Turkey, 27 February - 02 March 2017
- IX. **The Effect of Microwave Irradiation on the Leachability of Cu Zn Ore in Sulfate Media**  
GÜLER E., SEYRANKAYA A., CÖCEN E. İ., TUFAN E., KAYA E.  
15th International Mineral Processing Symposium, 19 - 21 October 2016, pp.809-822
- X. **An investigation on the metals mobility in a mine waste**  
Aktaş D., AKINCI G., GÜVEN E. D., GÜLER E.  
Türk Alman Katı Atık Günleri-TAKAG 2015, 26 - 29 May 2015
- XI. **Kalsit ve Apatit Minerallerinin Manyetik Kaplama Tekniği ile Ayrılma Koşullarının Belirlenmesi**  
TUFAN E., GÜLER E., TUFAN M. B., CÖCEN E. İ.  
9. Uluslararası Endüstriyel Hammaddeler Sempozyumu, Turkey, 14 - 15 May 2015
- XII. **Removal of Iron from Acidic Leach Liquor of Zinc Leach Plant Residue by Jarosite Precipitation: Effect of Seed Addition**  
Güler E., Seyrankaya A., Tufan E., Tufan M. B., Cöcen E. İ.  
14th International Mineral Processing Symposium, Aydın, Turkey, 15 - 17 October 2014, pp.545-551
- XIII. **Experimentation on Beneficiation of Oxidized Zinc Ore by Gravitational Methods**  
TUFAN E., CÖCEN E. İ., GÜLER E., SEYRANKAYA A., TUFAN M. B.  
14th International Mineral Processing Symposium, Kuşadası-Aydın, Turkey, 15 - 17 October 2014, pp.175-181
- XIV. **Removal of Impurity Ions from Zinc Sulfate Solution by Cementation**  
GÜLER E., SEYRANKAYA A., TUFAN E., CÖCEN E. İ.  
14th International Mineral Processing Symposium, Kuşadası-Aydın, Turkey, 15 - 17 October 2014, pp.537-543
- XV. **Flotation Parameter Determination for Deslimed Complex Oxidized Zinc Ore**

- TUFAN E., CÖCEN E. İ., GÜLER E., SEYRANKAYA A., TUFAN M. B.  
14th International Mineral Processing Symposium, Kuşadası-Aydın, Turkey, 15 - 17 October 2014, pp.329-335
- XVI. **Galvanic Leaching of Chalcopyrite with Silver Impregnated Pyrite at Atmospheric Conditions**  
GÜLER E., GÖK Ö., SEYRANKAYA A., Görkem Ç.  
XIII. International Mineral Processing Symposium, 10 - 12 October 2012, pp.505-513
- XVII. **Dissolution Kinetics of Chalcopyrite Concentrate in Acidic Nitrite Solutions**  
GÖK Ö., GÖRKEM Ç., GÜLER E., CÖCEN E. İ.  
13th International Mineral Processing Symposium, Muğla, Turkey, 10 - 12 October 2012, pp.495-503
- XVIII. **Extraction of Lead and Silver from Zinc Leach Residue by Brine Leaching**  
GÜLER E., SEYRANKAYA A., CÖCEN E. İ.  
12th International Mineral Processing Symposium, Kapodokya-Nevşehir, 6 - 08 October 2010, pp.653-662
- XIX. **Uçucu Küllerin Özellikleri ve Kullanım Alanları**  
GÜLER G., GÜLER E., İPEKOĞLU A. Ü., HASAN M.  
19. Uluslararası Madencilik Kongresi ve Fuarı, 09 June 2005 - 12 June 2006, pp.419-423
- XX. **Leachability of Elements Contained in Coal Ash Samples from Coal-fired Power Plants in Western Turkey**  
AKAR ŞEN G., GÜLER E., İPEKOĞLU Ü., SEYRANKAYA A., MORDOĞAN H.  
10th International Mineral Processing Symposium, Çeşme-İzmir, Turkey, 5 - 07 October 2004, pp.717-723
- XXI. **Distribution of Heavy Metals in Solid and Gas Combustion Products For Yeniköy and Kemerköy Lignite with Special Emphasis on Hexavalent Chromium**  
AKAR ŞEN G., GÜLER E., POLAT M., MORDOĞAN H., SEYRANKAYA A.  
IXth International Mineral Processing Symposium, Ürgüp-Nevşehir, 18 - 20 September 2002
- XXII. **Fixation of Trace Elements in the Structure of Aggregates Produced by Mixing Solid and Liquid Wastes**  
GÜLER E., AKAR ŞEN G., SEYRANKAYA A., POLAT M., MORDOĞAN H., İPEKOĞLU Ü.  
9th International Mineral Processing Symposium, Ürgüp-Nevşehir, Turkey, 18 - 20 September 2002
- XXIII. **Scrubbing of AMD with Fly Ash Neutralization of the Acidity Alkalinity and Fixation of Heavy Metals**  
POLAT M., GÜLER E., AKAR ŞEN G., HASAN M.  
IX. Balkan Mineral Processing Congress, 11 - 13 September 2001, pp.663-669
- XXIV. **Utilization of Coal Fly Ash as a Chemical Scrubber for Acid Mine Drainage Fixation of Heavy Metals**  
POLAT M., GÜLER E., AKAR G., HASAN M., HAIM C.  
International Workshop on Novel Products from Combustion Residues: Opportunities. and Limitations, 6 - 08 June 2001, pp.207-216
- XXV. **Enrichment of fine specular hematite tailings by Mozley multi-gravity separator for use in the paint industry**  
Cilingir Y., Sen S., SEYRANKAYA A., GÜLER E.  
8th International Mineral Processing Symposium (IMPS-2000), Antalya, Turkey, 16 - 18 October 2000, pp.93-96
- XXVI. **Removal of heavy minerals from albite of Muğla-Milas district by froth flotation**  
Akar G., SEYRANKAYA A., GÜLER E., Akar A.  
8th International Mineral Processing Symposium (IMPS-2000), Antalya, Turkey, 16 - 18 October 2000, pp.317-321
- XXVII. **Aydın-Çine ve Muğla-Milas Feldspatlarının Flotasyonla Zenginleştirilmesi**  
SEYRANKAYA A., AKAR A., GÜLER E., AKAR ŞEN G.  
2. Endüstriyel Hammaddeler Sempozyumu, İzmir, Turkey, 16 - 17 October 1997, pp.236-246

## Activities in Scientific Journals

Dokuz Eylül Üniversitesi Mühendislik Fakültesi Fen ve Mühendislik Dergisi, Editor, 2019 - 2022

## **Scientific Refereeing**

Niğde Ömer Halisdemir Üniversitesi Mühendislik Bilimleri Dergisi, National Scientific Refreed Journal, December 2023

MT Bilimsel, National Scientific Refreed Journal, June 2023

Konya mühendislik bilimleri dergisi (Online), Other Indexed Journal, March 2023

## **Metrics**

Publication: 43

Citation (WoS): 124

Citation (Scopus): 139

H-Index (WoS): 7

H-Index (Scopus): 7

## **Awards**

Güler E., Seyrankaya A., Cöcen E. İ., Mehmet Kemal Dedeman Araştırma Ve Geliştirme Proje Yarışması, Dedeman Holding, February 2009